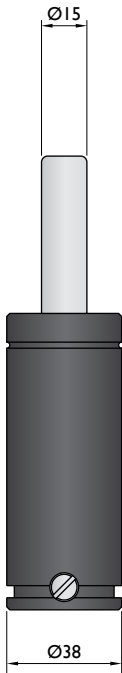
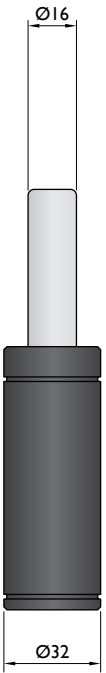
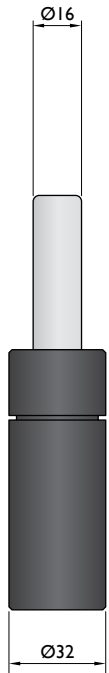
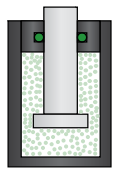


Force 250 - 300 daN

Piston Rod Sealed
gas springs

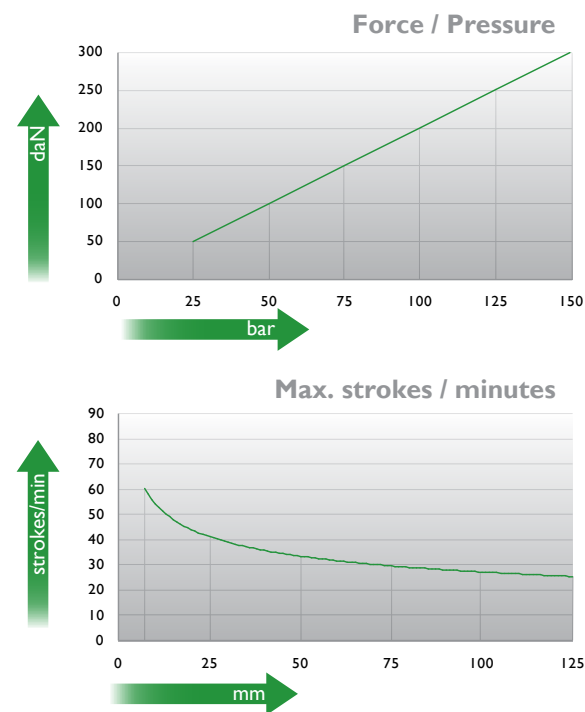
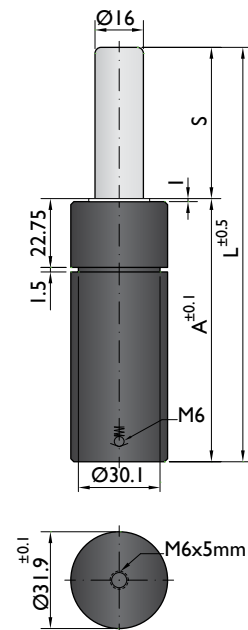


Model	KC-300	K-300	CN-250	G-300
Initial F (daN)	300	100-300	265	100-300
L max (mm)	2xStroke+37	2xStroke+39	2xStroke+50	2xStroke+60
Stroke (mm)	7-125	7-125	10-125	12-125

* other strokes under request

Standards

PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU	PED 2014/68/EU
ISO 11901	ISO 11901	ISO 11901	ISO 11901
VDI 3003	VDI 3003	VDI 3003	VDI 3003
CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700	CNOMO EM24.54.700



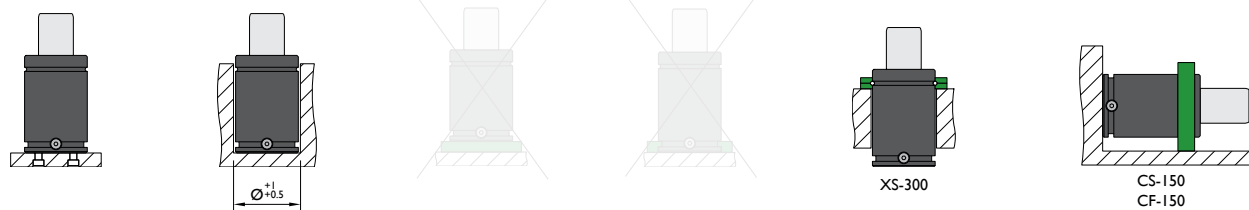
Ordering example: 4 x KC-300-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN		kg
KC-300-7	7	51	44	300	420	No	0.19
KC-300-12	12	61	49		440	No	0.21
KC-300-16	16	69	53		440	No	0.23
KC-300-25	25	87	62		440	No	0.25
KC-300-38	38	113	75		450	No	0.30
KC-300-50	50	137	87		450	No	0.33
KC-300-63	63	163	100		450	No	0.38
KC-300-80	80	197	117		450	No	0.44
KC-300-100	100	237	137		450	No	0.51
KC-300-125	125	287	162		460	No	0.58
⁽¹⁾ other strokes under request		⁽²⁾ alternative forces upon request					



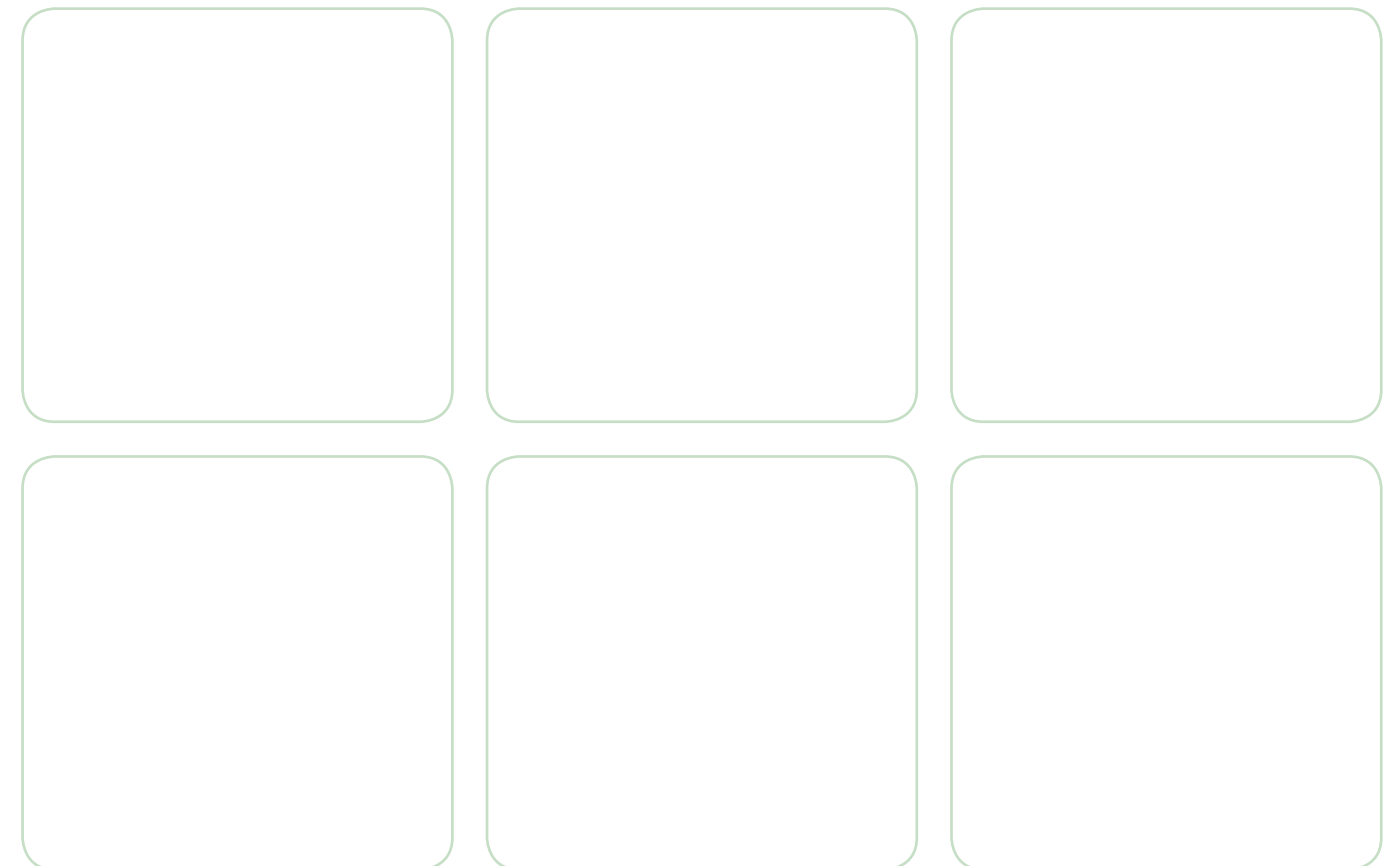
Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT KC-300
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

Mounting possibilities

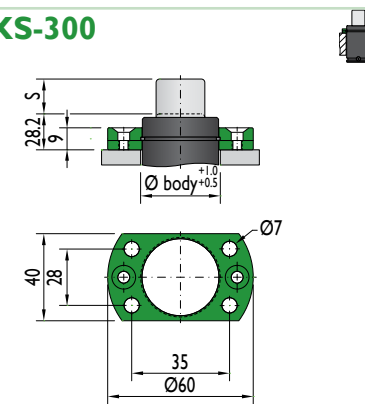


Flange must not support spring's force

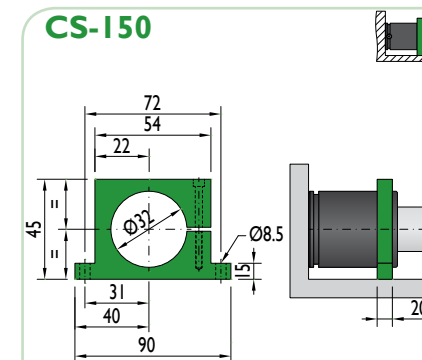
Flanges



XS-300

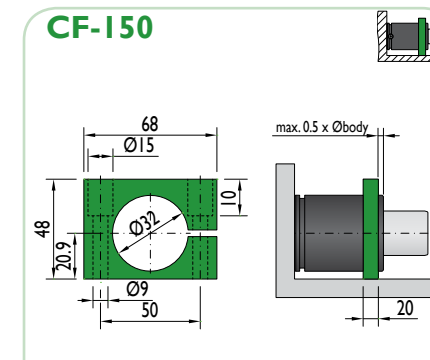


CS-150

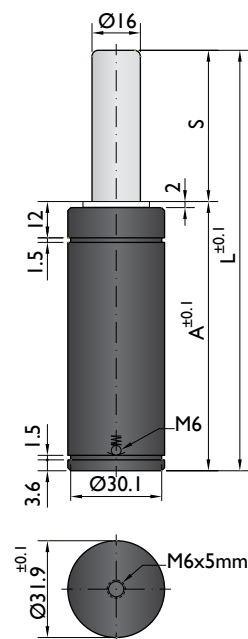


Flange must not support spring's force

CF-150



Flange must not support spring's force

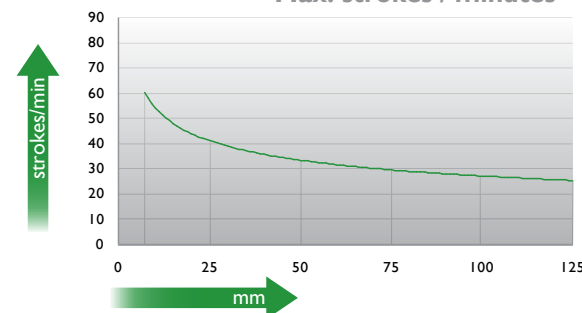


Force / Pressure

		daN	bar (20°C)
V	GREEN	100	50
Z	BLUE	200	100
R	RED	250	125
A	YELLOW	300	150

* maximum force if not specified

Max. strokes / minutes



Ordering example: 4 x K-300-125 V

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
K-300-7	7	53	46	300	400	0.23
K-300-12	12	63	51		420	0.24
K-300-16	16	71	55		420	0.25
K-300-25	25	89	64		430	0.28
K-300-38	38	115	77		450	0.32
K-300-50	50	139	89		450	0.36
K-300-63	63	165	102		450	0.40
K-300-80	80	199	119		450	0.46
K-300-100	100	239	139		450	0.53
K-300-125	125	289	164		460	0.59

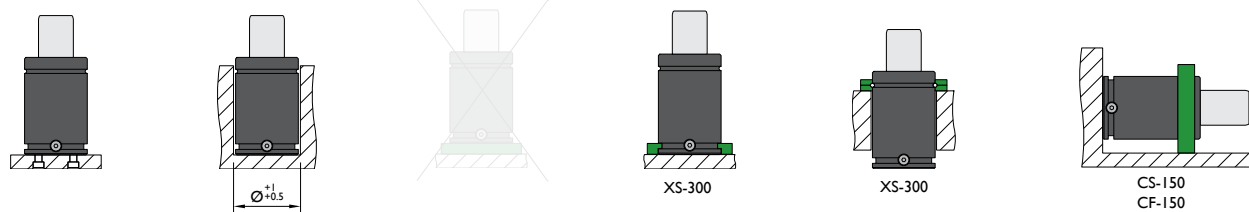
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT K-300
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

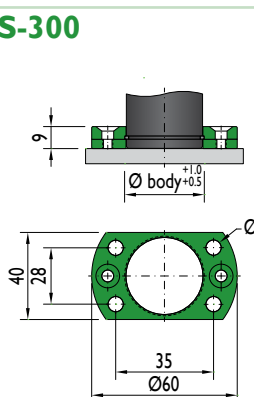
Mounting possibilities



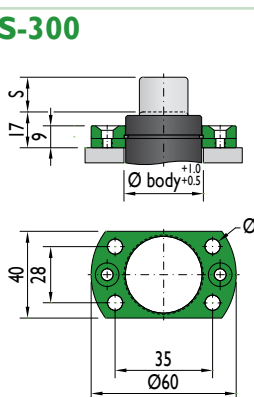
Flange must not support spring's force

Flanges

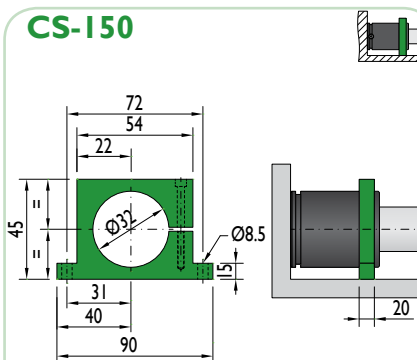
XS-300



XS-300

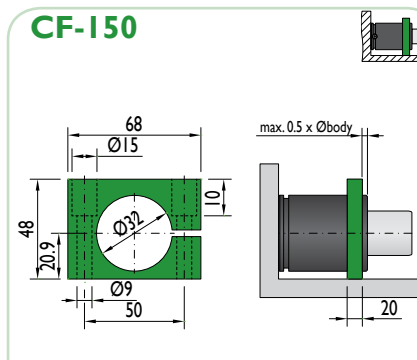


CS-150



Flange must not support spring's force

CF-150



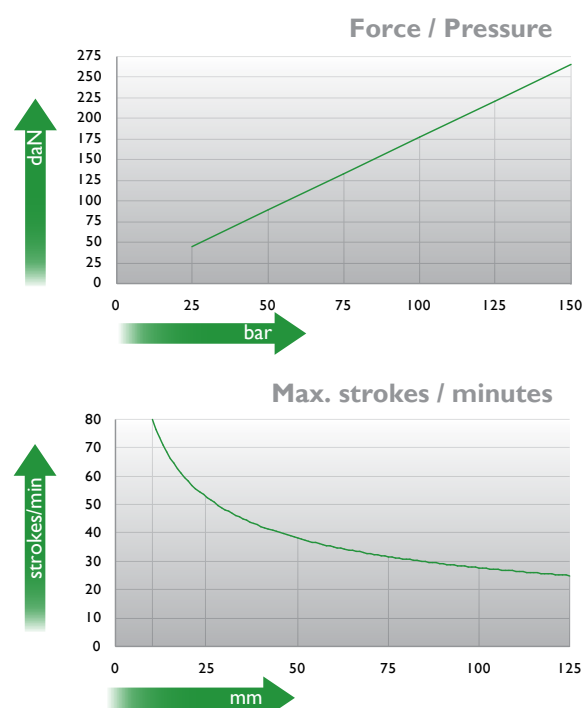
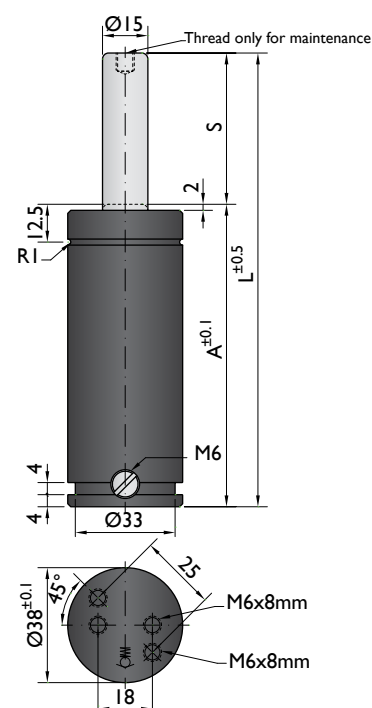
Flange must not support spring's force

Special mounts available on
www.nitrogas.com



CNOMO
EM24.54.700

PSA
E24.54.815.G



Ordering example: 4 x CN-250-125

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN	kg
CN-250-10	10	70	60	265	310	0.40
CN-250-13	12.7	75.4	62.7		310	0.42
CN-250-16	16	82	66		320	0.43
CN-250-19	19	88	69		330	0.45
CN-250-25	25	100	75		330	0.51
CN-250-38	38.1	126.2	88.1		340	0.57
CN-250-50	50	150	100		350	0.63
CN-250-63	63.5	177	113.5		350	0.75
CN-250-80	80	210	130		360	0.81
CN-250-100	100	250	150		360	0.92
CN-250-125	125	300	175		360	1.10

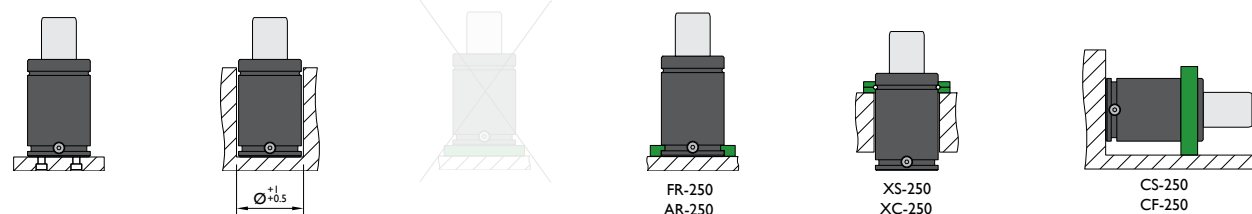
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT CN-250
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	M6

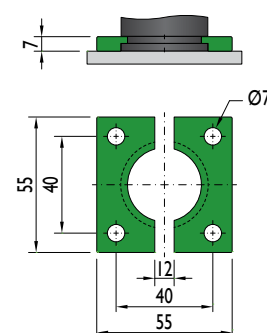
Mounting possibilities



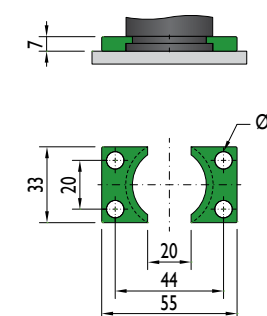
Flange must not support spring's force

Flanges

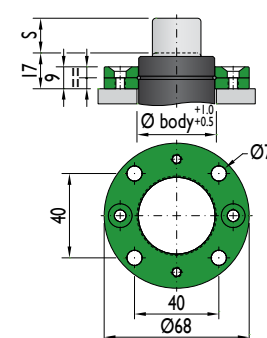
FR-250



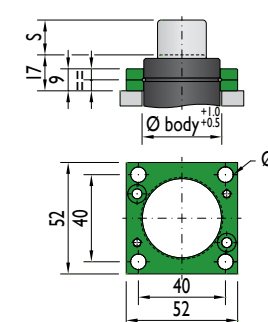
AR-250



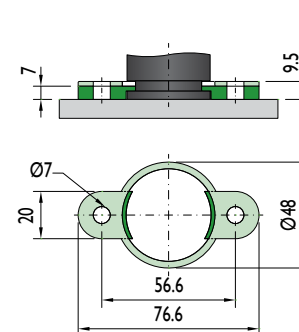
XS-250



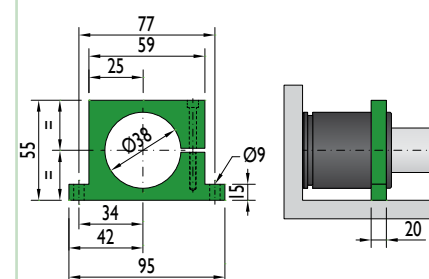
XC-250



PR-250

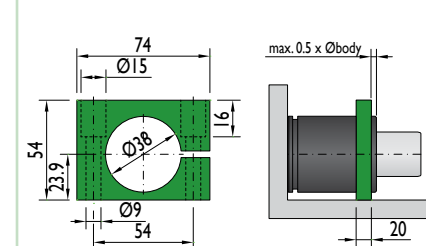


CS-250



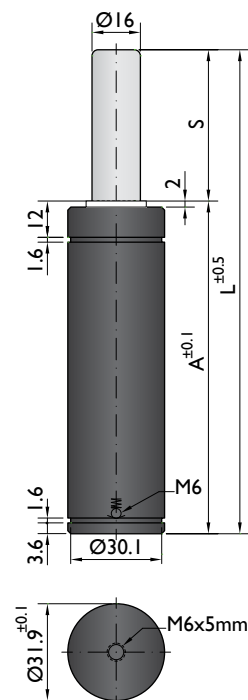
Flange must not support spring's force

CF-250



Flange must not support spring's force



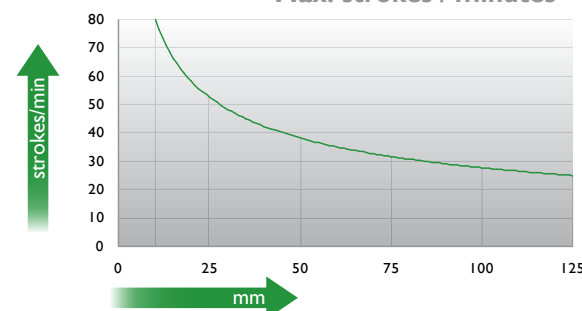


Force / Pressure

		daN	bar (20°C)
V	GREEN	100	50
Z	BLUE	200	100
R	RED	250	125
A	YELLOW	300	150

* maximum force if not specified

Max. strokes / minutes



Ordering example: 4 x G-300-125 Z

Order No.	S ⁽¹⁾ mm	L mm	A mm	F ₀ ⁽²⁾ daN (20°C, 150 bar)	F daN		kg
G-300-12	12	84	72	300	340	No	0.28
G-300-25	25	110	85		370	No	0.33
G-300-38	38	136	98		380	No	0.37
G-300-50	50	160	110		390	No	0.41
G-300-63	63	186	123		420	No	0.49
G-300-80	80	220	140		430	No	0.56
G-300-100	100	260	160		440	No	0.64
G-300-125	125	310	185		450	No	0.74

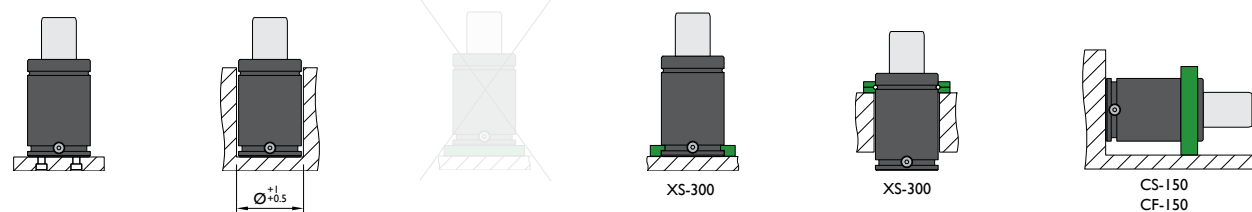
⁽¹⁾ other strokes under request

⁽²⁾ alternative forces upon request



Pressure medium	N ₂	Working temperature	0-80°C	Min. security stroke	10%
Max. Charging pressure	150 bar	Temperature related force increase	+0.34%/°C	Repair Kit	KIT G-300
Min. Charging pressure	25 bar	Max. working speed	1.6 m/s	Linkable	No

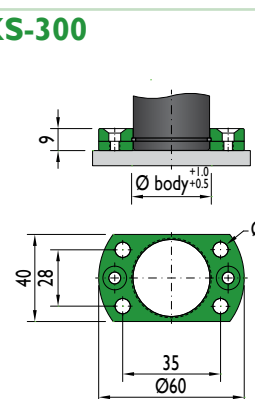
Mounting possibilities



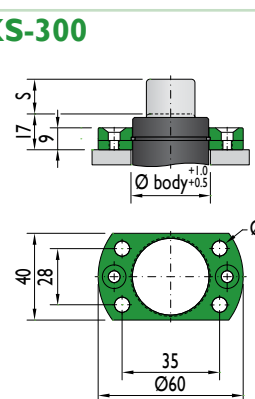
Flange must not support spring's force

Flanges

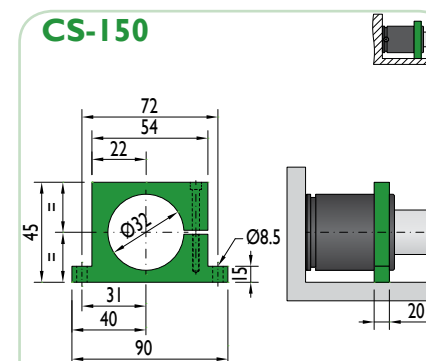
XS-300



XS-300

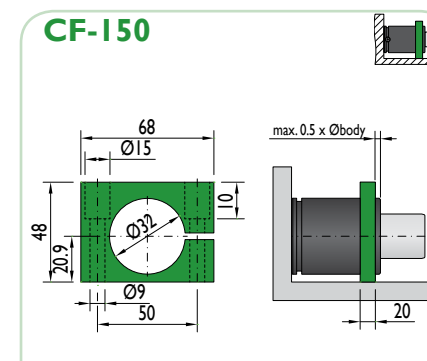


CS-150



Flange must not support spring's force

CF-150



Flange must not support spring's force